

JC19 Rec'd PCT/PTO 25 FEB 2002

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Olivier PARRAULT

Serial Number: New Patent Application

Filed: February 25, 2002

For: CONTACT-FREE DISPLAY PERIPHERAL DEVICE
FOR CONTACT-FREE PORTABLE OBJECT

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

February 25, 2002

Please amend this application, prior to calculation of the filing fee, as follows:

IN THE SPECIFICATION:

Page 1, between the title and the first heading, please insert the following:

This application is a U.S. National Stage of International Application PCT/FR01/02010, filed June 26, 2001 and published on January 3, 2002 in the French Language.

IN THE CLAIMS:

Please cancel claims 1-12 without prejudice or disclaimer.

Please add new claims 13-24 as follows:

13. (New) A peripheral display device for contactless portable objects enabling information associated with the use of said portable object to be displayed, comprising at least one chip, a

display means and a means for receiving energy and said information not connected by ohmic contact to said portable object, said receiving means being a flat coil which plays the role of the secondary of a transformer, the primary of which consists of the antenna of said portable object, when the latter receives energy and information from a reader of said portable object by electromagnetic coupling.

14. (New) The peripheral display device of claim 13, wherein said flat coil receives said energy and said information when said portable object is coupled with a reader of said portable object.

15. (New) The peripheral display device of claim 14, wherein the energy and said information transmitted by the antenna of said portable object are generated by said portable object reader.

16. (New) The peripheral display device of claim 14, wherein said information transmitted by the antenna of said portable object are generated by the chip of said portable object.

17. (New) The peripheral display device of claim 13, wherein said display means is capable of generating a persistent display, such that the information remains displayed on said display means for a

time period greater than the average period between two transactions.

18. (New) The peripheral display device of claim 17, wherein the long-persistence display means is a bistable liquid crystal screen.

19. (New) The peripheral display device of claim 13, further comprising at least one energy storage means.

20. (New) The peripheral display device of claim 19, wherein said energy storage means is a capacitor.

21. (New) The peripheral display device of claim 19, wherein the display means is provided with a long-persistence screen feature owing to the energy stored in said energy storage means.

22. (New) The peripheral display device of claim 13, wherein said device is integrated into said portable object, said flat coil being in the same plate as said antenna of said portable object.

23. (New) The peripheral display device of claim 13, wherein said device can be separated from said portable object.

24. (New) The peripheral display device of claim 13, wherein said device is capable of sending a response to said portable object reader by retromodulation, via said flat coil, coupled to the antenna of said portable object.

IN THE ABSTRACT:

Please replace the original abstract with the attached Substitute Abstract.

REMARKS

This Preliminary Amendment cancels claims 1-12, adds new claims 13-24, amends the specification and presents a new Abstract. The amendment to the specification inserts a reference to parent application PCT/FR01/02010 pursuant to 37 C.F.R. § 1.78. New claims 13-24 correspond to original claims 1-12, and have been written to avoid multiple dependencies and drawing reference numerals, and by otherwise conforming the claims to U.S. practice. The Substitute Abstract is based on the PCT Abstract. A version with markings to show changes made is attached as an Appendix. Claims 13-24 are pending.

An Information Disclosure Statement and a Recordation Form Cover Sheet are attached.

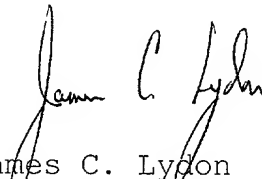
It is not believed that any fee is required for entry and consideration of this Preliminary Amendment. Nevertheless, the Commissioner is authorized to charge our Deposit Account No. 50-1258 in the amount of any such required fee.

New National Stage Application
PRELIMINARY AMENDMENT

PATENT

Prompt and favorable examination of the application are earnestly requested.

Respectfully submitted,



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Enclosures:
Appendix
Substitute Abstract of the Disclosure
Information Disclosure Statement
Recordation Form Cover Sheet

APPENDIX

Version With Markings to Show Changes Made

IN THE SPECIFICATION:

The paragraph inserted between the title and the first heading on page 1 is new.

IN THE CLAIMS:

Claims 1-12 have been canceled.

Claims 13-24 are new.

IN THE ABSTRACT:

The Substitute Abstract is new.

ABSTRACT OF THE DISCLOSURE:

A peripheral display device for a portable contactless object such as a smart card (10) enabling information associated with the use of this portable object to be displayed. This peripheral
5 device includes at least one chip, a display means (16) and a means for receiving energy and information (18), not connected by an ohmic contact to the portable object. This receiving means is a flat coil which plays the role of the secondary of a transformer, the primary of which is formed by the antenna (14) of the portable object, when the latter receives energy and information from a portable object reader via electromagnetic coupling.